JS-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB 5/24/2006 **Databases** USPAT USPAT USPAT USPAT USPAT **JSPAT** USPAT USPAT **JSPAT** USPAT USPAT **JSPAT** USPAT USPAT USPAT **USPAT** USPAT USPAT USPAT **JSPAT** JSPAT S3 and ((access\$3 or analysis or analyz\$3 or design\$3 or exchang\$3 or retriev\$3) with (data rUSPAT USPAT USPAT S8 and ((virtual near2 reality) with (access\$3 or analysis or analyz\$3 or design\$3 or exchang\$ USPAT USPAT USPAT USPAT **JSPAT JSPAT** USPAT **JSPAT** JSPAT USPAT JSPAT S8 and ((virtual near2 reality) with (object or component or part) with (icon or figure or image)) t S8 and ((library or database) with (reference or prespecified or preselected) with (data or infor S18 or S19 or S21 or S22 or S23 or S25 or S26 or S29 or S30 or S31 or S32 S8 and ((locat\$3 or plac\$3 or position\$3) with (object or part or component)) S8 and ((virtual near2 reality) with computer with (icon or figure or image)) S8 and ((disassembl\$3 or assembl\$3) with (component or part or object)) industrial or manufacturing or chemical or petrochemical) near2 plant (industrial or manufacturing or chemical or petrochemical) near2 plant S8 and ((virtual near2 reality) with user with (icon or figure or image)) S8 and ((virtual near2 reality) with (pipeline or conduit or network)) S3 and ((virtual near2 reality) with (pipeline or conduit or network)) S8 and ((redesign or design) with (pipeline or conduit or network)) S8 and ((virtual near2 reality) with (object or component or part)) **EAST SEARCH** S8 and ((identify\$3 or identification or detect\$3) with conflict) S8 and ((access\$3 or retriev\$3) with database) S3 and ((techinical or design\$3) with (data or information)) S8 and ((techinical or design\$3) with (data or information)) (computer or communication) near2 network) or internet (computer or communication) near2 network) or internet S8 and ((appointment or schedule) with (user or client)) S3 and (rout\$3 with (pipeline or conduit or network)) S8 and (rout\$3 with (pipeline or conduit or network)) S8 and ((multiple or plurality) with (user or client)) S8 and ((maintenance or repair) with simulat\$3) S8 and ((techinical or design\$3) with drawing) S8 and ((virtual near2 reality) with computer) S8 and ((virtual near2 reality) with user) S12 or S13 or S14 or S15 or S24 S39 and (virtual near2 reality) S3 and (virtual near2 reality) S3 and (client and server) S4 or S5 or S6 or S7 Search String S16 and S17 S33 and S34 S37 and S38 S1 and S2 S33 or S35 S37 or S38 S1 or S2 582 2075 2075 26731 88408 698 698 490 490 490 37 53 82 224 1709 1709 21013 224918 526 3857 137 224 1709 224918 526 3357 137 33857 137 3385

| USPAT; USOCR; EPO; JPO; DERWENT; IBM | USPAT, USOCR, EPO, USPAT, USOCR, |
|--|--|
| S39 and (client and server) S39 and (client and server) S39 and ((access\$3 or analysis or analyz\$3 or design\$3 or exchang\$3 or retriev\$3) with (data \$40 or \$41\$ S44 or \$44 S45 and ((s42 or \$43) S46 and ((virtual near2 reality) with computer) S46 and ((virtual near2 reality) with (beject or component or part)) S46 and ((virtual near2 reality) with user) S46 and ((virtual near2 reality) with user with (icon or figure or image)) S46 and ((virtual near2 reality) with computer with (icon or figure or image)) S46 and ((virtual near2 reality) with (access\$3 or analysis or analyz\$3 or design\$3 or exchang S46 and ((virtual near2 reality) with (user or client)) S45 and ((inultiple or plurality) with (user or client)) S54 and ((access\$3 or retriev\$3) with (data or information)) S54 and ((techinical or design\$3) with database) S55 and ((techinical or design\$3) with dawing) S54 and ((disassembl\$3 or assembl\$3) with (component or part or object)) S54 and ((inharon or repair) with simulat\$3) S55 and ((maltehance or repair) with simulat\$3) | S54 and ((library or database) with (reference or prespecified or preselected) with (data or info S54 and ((library or database) with (reference or prespecified or preselected) with (data or info S54 and ((redesign or design) with (pipeline or conduit or network)) S54 and ((identify33 or plac43) or position\$3) with (object or part or component)) S55 or S56 or S57 or S58 or S59 or S60 or S61 or S62 or S63 or S64 or S65 or S67 S59 and S56 S69 and S56 S69 and S60 S69 and S61 S69 and S61 S69 and S63 S54 and (rout\$3 with (pipeline or conduit or network)) S69 and S66 S69 and S66 S69 and S66 S69 and S66 S69 and S67 S54 and (rout\$3 with (pipeline or conduit or network)) S69 and S67 S59 and S68 S69 and S68 S77 and S78 S77 and S78 S78 and (strual near2 reality) with user with (icon or figure or image)) S68 and ((virtual near2 reality) with computer with (icon or figure or image)) S68 and ((virtual near2 reality) with computer with (icon or figure or image)) |
| 99682 269222 6129 6129 1392 604 1028 177 177 447 177 146 187 13 65 9 | 31 58 114 275 408 447 17 17 65 9 82 34 4 4 8 33958 524416 553741 1633 4540 99908 6137 181 |
| \$42 \$44 \$44 \$55 \$55 \$55 \$55 \$55 \$55 \$55 \$55 | \$62 \$64 \$65 \$65 \$65 \$70 \$71 \$71 \$72 \$73 \$73 \$73 \$73 \$73 \$74 \$75 \$75 \$75 \$75 \$75 \$75 \$75 \$75 \$75 \$75 |

| S90 S91 | 177 | S86 and ((virtual near2 reality) with (access\$3 or analysis or analyz\$3 or design\$3 or exchang US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB S87 or S88 or S89 or S90 | IUS-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB |
|------------|--------|--|---|
| S92 | 228 | S91 and ((multiple or plurality) with (user or client)) | US-PGPUB: USPAT: USOCR: EPO: JPO: DERWENT: IBM_TDB |
| S93 | 17 | S91 and ((appointment or schedule) with (user or client)) | US-PGPUB: USPAT: USOCR: EPO: JPO: DERWENT: IBM_TDB |
| S94 | 146 | | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB |
| 295 | 187 | S91 and ((techinical or design\$3) with (data or information)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB |
| 96S | 13 | S91 and ((techinical or design\$3) with drawing) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB |
| 297 | 65 | S91 and ((disassembl\$3 or assembl\$3) with (component or part or object)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB |
| 868 | 6 | S91 and ((maintenance or repair) with simulat\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM TDB |
| S99 | 31 | S91 and ((library or database) with (reference or prespecified or preselected) with (data or infr US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | : US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB |
| S100 | 28 | S91 and ((redesign or design) with (pipeline or conduit or network)) | US-PGPUB, USPAT, USOCR, EPO, JPO, DERWENT, IBM TDB |
| S101 | 114 | S91 and ((virtual near2 reality) with (pipeline or conduit or network)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB |
| S102 | 82 | S91 and (rout\$3 with (pipeline or conduit or network)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB |
| S103 | ዿ | S91 and ((identify\$3 or identification or detect\$3) with conflict) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB |
| S104 | 275 | S91 and ((locat\$3 or plac\$3 or position\$3) with (object or part or component)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB |
| S105 | 408 | r S94 or S95 or S96 o | or S97 or S98 or S99 or S100 or S101 or S102 or S103 or SUS-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB |
| S106 | 447 | S91 or S105 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB |
| S107 | 21 | S91 and ((redesign or design) with (pipeline or conduit)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB |
| S108 | 4 | S91 and ((virtual near2 reality) with (pipeline or conduit)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB |
| S109 | 63868 | (water or fluid or gas) near2 distribution | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB |
| S110 | 497830 | (water or fluid or gas) near2 (distribution or supply) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB |
| S111 | 7 | ((water or fluid or gas) near2 (distribution or supply)) same (virtual near2 reality) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB |

10/617890 Robert Jason

5/24/2006

| Document Kind Codes Title | | Issue Date Cu | Current OR | Abstract |
|---------------------------|--|--------------------|------------|----------|
| US 20060103861 A1 | JS 20060103861 A1 Systems and methods of embedding gamut mapping information into printed images | 20060518 358/1.9 | 9,11.9 | |
| US 20060101497 A1 | JS 20060101497 A1 User-aware video display | 20060511 725/81 | 5/81 | |
| US 20060098864 A1 | US 20060098864 A1 Method and apparatus to display 3d rendered ultrasound data on an ultrasound cart in stereov | 20060511 382/154 | 32/154 | |
| US 20060078183 A1 | US 20060078183 A1 Methods for physiological monitoring training, exercise and regulation | 20060413 382/128 | 32/128 | |
| US 20060078180 A1 | Video filtering for stereo images | 20060413 382/128 | 32/128 | |
| US 20060073455 A1 | Virtual reality based prototyping system for medical devices | 20060406 434/262 | 4/262 | |
| US 20060072215 A1 | US 20060072215 A1 Image display unit and projection optical system | 20060406 359/708 | 80//69 | |
| US 20060063645 A1 | JS 20060063645 A1 Multifunctional virtual-reality fitness equipment with a detachable interactive manipulator | 20060323 482/8 | 37/8 | |
| US 20060061584 A1 | US 20060061584 A1 Method, system and device for efficient distribution of real time three dimensional computer m | 20060323 345/582 | 15/582 | |
| US 20060061544 A1 | JS 20060061544 A1 Apparatus and method for inputting keys using biological signals in head mounted display info | 20060323 345/156 | 15/156 | |
| US 20060059253 A1 | JS 20060059253 A1 Architectures for netcentric computing systems | 20060316 709/223 | 9/223 | |
| US 20060046699 A1 | US 20060046699 A1 Method for changing graphical data like avatars by mobile telecommunication terminals | 20060302 455/414.1 | 5/414.1 | |
| US 20060038881 A1 | JS 20060038881 A1 Stereoscopic image display | 20060223 348/51 | 18/51 | |
| US 20060038880 A1 | JS 20060038880 A1 Stereoscopic image display | 20060223 348/51 | 18/51 | |
| US 20060033879 A1 | JS 20060033879 A1 Scanless virtual retinal display system | 20060216 351/221 | 11221 | |
| US 20060028543 A1 | JS 20060028543 A1 Method and apparatus for controlling convergence distance for observation of 3D image | 20060209 348/42 | 18/42 | |
| US 20060025229 A1 | US 20060025229 A1 Motion tracking and analysis apparatus and method and system implementations thereof | 20060202 473/131 | 12/131 | |

| 20060126 20060119 20051222 20051222 20051208 | 20051124 705/26 20051124 382/243 20051124 348/47 20051117 726/5 20051110 707/1 | 20051110 20051103 20051020 20050929 20050929 20050929 20050929 | 20050901 714/38 20050901 709/227 20050901 707/10 20050818 715/850 20050818 345/7 2005084 715/716 20050728 705/2 20050714 345/158 | 20050707 20050519 20050519 20050421 20050414 20050414 20050407 20050313 20050310 20050210 20050210 | 20050120 20050120 20041223 20041229 20041209 20041125 20041111 |
|---|---|---|--|--|--|
| Methods and apparatuses for operating a portable device based on an accelerometer Method and system for user-aware video display Method for directed design Method for directed design Methods for physiological monitoring, training, exercise and regulation Process of relaying a story having a unique plot Audio-visual three-dimensional input/output | System and method for delivering real time remote buying, selling, meeting, and interacting in Geometry and view assisted transmission of graphics image streams Three-dimensional image communication terminal Information processing apparatus System for access to, exchange of information relating to, analysis and design of industrial pla | | System, method, and article of manufacture for synchronization in an automated scripting fran Data transmission protocol and visual display for a networked computer system Architecture to enable search gateways as part of federated search Systems and methods for creating and interactive 3D visualization of indexed media Mixed reality space image generation method and mixed reality system Computer-based method for conveying interrelated textual narrative and image information System and methods for providing a healthcare industry trade show via internet Methods and systems for collecting and updating an interactive 3D visualization of media indice Methods and systems for collecting and generating engonomic data utilizing an electronic port | | image processing device and method, program recording medium, data structure, a lmage display processing apparatus, an image display processing method, and an information Virtual reality complete interactive system Method and device for producing light-microscopy, three-dimensional images Image processing apparatus Image processing device and method, and distribution medium Methods and apparatus for measuring orientation and distance Image generating method utilizing on-the-spot photograph and shape data Systems and methods for location-based real estate service |
| US 20060017692 A1 US 20060015892 A1 US 20050283345 A1 US 20050283053 A1 US 20050272013 A1 US 20050272013 A1 | US 20050261980 A1 US 20050259881 A1 US 20050259148 A1 US 20050257254 A1 US 20050251494 A1 | US 20050250083 A1 US 20050245803 A1 US 20050230472 A1 US 20050216274 A1 US 20050216243 A1 US 20050211764 A1 US 20050209983 A1 | US 20050193269 A1 US 20050193120 A1 US 20050193970 A1 US 20050183041 A1 US 20050173617 A1 US 20050172231 A1 US 20050151737 A1 US 20050151737 A1 US 20050151737 A1 | US 200501465586 AT US 20050104969 AT US 20050104966 AT US 20050083248 AT US 20050081161 AT US 20050074119 AT US 20050048453 AT US 20050048453 AT US 20050048453 AT US 20050020902 AT US 20050000000000000000000000000000000000 | US 20050012/43 AT 20050005247 AT US 200500559688 AT US 20040257360 AT US 2004024714 AT US 20040233461 AT US 20040223190 AT US 20040220906 AT US 20040223190 AT US 20040220906 AT US 2004020000 AT US 200402000 AT US 20040220906 AT US 200402000 AT US 200402000 AT US 200402000 AT US 200402000 AT US AT US 200402000 AT US 20040200 AT US AT U |

| US 20040215469 A1 | Content providing/acquiring system | 20041028 705/1 |
|-------------------|--|---------------------|
| US 20040183557 A1 | Apparatus and metrou for obtaining sitable data of altafute surface approximate expression. Economic analysis and planning model for deconstruction of large scale industrial facilities. | 20041007 7037 |
| US 20040174337 A1 | Force-feedback supply apparatus and image correcting method | 20040909 345/156 |
| US 20040169620 A1 | Method of providing images to a person with movement disorder | |
| US 20040150767 A1 | Display apparatus and method for selectively displaying two-dimensional image and three-dim | 20040805 349/74 |
| US 20040148347 A1 | Dynamic identification of other users to an online user | 20040729 709/204 |
| US 20040143495 A1 | System and method for combining interactive game with infomercial | |
| US 20040143170 A1 | Intelligent deception verification system | |
| US 20040130526 A1 | Haptic feedback using a keyboard device | 20040708 345/156 |
| US 20040128012 A1 | Virtual workstation | 20040701 700/100 |
| US 2004012/2/2 A1 | System and method for virtual game | |
| US 20040125044 A1 | Display system, display control apparatus, display apparatus, display method and user interfar | |
| US 20040104941 A1 | Virtual reality keyboard system and method | |
| US 20040101048 A1 | Nother for an annual and an an annual and an | 20040527 375/240.12 |
| US 20040091845 A1 | incurous for incasurement and yello in an arealy is of prain activity. System and method for virtual reality training for odoutology. | 20040513 600/410 |
| US 20040078204 A1 | System for learning a language | 20040422 704/277 |
| US 20040070611 A1 | Video combining apparatus and method | 20040415 715/757 |
| US 20040063084 A1 | Method and apparatus for tutorial, self and assisted instruction directed to simulated preparati- | 20040401 434/258 |
| US 20040062434 A1 | Image processing apparatus, image processing method, and storage medium | |
| US 20040061713 A1 | Mark-up language implementation of graphical or non-graphical user interfaces | 20040401 715/700 |
| US 20040044627 A1 | Methods, systems and apparatuses for secure transactions | |
| US 20040041788 A1 | Interactive virtual portal | |
| US 20040036675 A1 | Method and apparatus for displaying virtual reality space and recording medium recording unit | |
| US 20040032410 A1 | System and method for generating a structured two-dimensional virtual presentation from less | |
| US 20040031058 A1 | Method and apparatus for browsing using alternative linkbases | |
| US 2004002/394 A1 | Virtual reality method and apparatus with improved navigation | |
| US 20040027365 A1 | Controlling playback of a temporal stream with a user interface device | 20040212 715/700 |
| US 20040015479 A1 | Management of source and denvative image data | |
| US 20030229900 A1 | Method and apparatus for browsing using multiple coordinated device sets | |
| US 20030229360 A1 | Method for investor disclosure | |
| US 2003022/453 A1 | Method, system and computer program product tor automatically creating an animated 3-D sc | 20031211 345/419 |
| US 200302229// A1 | Intelligent system and 3D virtual object generator | 20031204 348/51 |
| US 20030206342 A1 | Metriod and system for providing construction information service Agent for critical children in a vidual learning equipment | 20031106 /03/1 |
| US 20030207E67 A1 | Automated installation of an application | 20031100 434/118 |
| US 20030198365 A1 | Abparatus for capturing an image | |
| US 20030195725 A1 | Method and program product for solid mechanics modelling workbench and dynamic display | 20031016 203/2 |
| US 20030174178 A1 | System for presenting differentiated content in virtual reality environments | 20030918 715/848 |
| US 20030169305 A1 | System for transmitting state-specifications as entry parameters to virtual reality systems | |
| US 20030156260 A1 | Three-dimensional image projection employing retro-reflective screens | 20030821 353/10 |
| US 20030156135 A1 | Virtual reality system for tradeshows and associated methods | |
| US 20030142661 A1 | System and method for distributing data between a telephone network and an entertainment r | 20030731 370/352 |
| US 20030126068 A1 | Virtual trading floor system | 20030703 705/37 |
| US 20030121006 A1 | Document information management system | 20030626 715/513 |
| US 20030120183 A1 | Assistive clothing Surfame and motheds for economism virtual scalibs ADA \$15/6\ for someless virtual conjugations | 20030626 600/595 |
| | Systems and methods for generating virtual reality (VK) file(s) for complex virtual environment | 20030626 345/420 |

| US 20020010571 A1 | Systems and methods for interactive virtual reality process control and simulation (IVRPCS) | 20020124 703/21 |
|--------------------|--|--------------------|
| US 20020008887 A1 | Method and apparatus for displaying computer generated holograms | 20020124 359/9 |
| US 20010056574 A1 | VTV system | 20011227 725/36 |
| US 20010055039 A1 | THREE-DIMENSIONAL VIRTUAL REALITY SPACE DISPLAY PROCESSING APPARATUS, | 20011227 715/848 |
| US 20010053998 A1 | Online sales promotion method and device | 20011220 705/14 |
| US 20010053284 A1 | Photographing apparatus for three-dimensional image and method therefor | 20011220 396/5 |
| US 200100441/23 A1 | INTORMATION PROCESSING APPARATOS, AN INFORMATION PROCESSING METHOD, Foreign languages immension simulation process and apparatus | 20011122 /04/269 |
| US 20010031328 A1 | Portable game display and method for controlling same | 20011113 434/13/ |
| US 20010037190 A1 | System and method for take-off of materials using two-dimensional CAD interface | 20011101 703/1 |
| US 20010035845 A1 | Portable display and method for controlling same with speech | 20011101 345/8 |
| US 20010029440 A1 | Apparatus and method for obtaining shape data of analytic surface approximate expression | |
| US 20010027456 A1 | Rapid terrain model generation with 3-D object features and user customization interface | 20011004 707/104.1 |
| US 20010024230 A1 | Data processing apparatus, method, system, and storage medium | |
| US 20010019337 A1 | System for providing clients with a three dimensional virtual reality | 20010906 715/757 |
| US 20010012011 A1 | CAMERA-BASED INTERFACE TO A VIRTUAL REALITY APPLICATION | |
| US 20010011274 A1 | WORLD WIDE WEB REGISTRATION INFORMATION PROCESSING SYSTEM | 20010802 707/9 |
| US 7050813 B1 | Parallel computer network and method for telecommunications network simulation to route ca | |
| US 7027623 B2 | Apparatus for captuning an image | 20060411 382/119 |
| US 7020697 B1 | Architectures for netcentric computing systems | |
| US 7015908 B2 | Image generation system and information storage medium | |
| US 7010570 B1 | System and method for the controlled progressive disclosure of information | 20060307 709/205 |
| US 6996503 B2 | System and method for take-off of materials using two-dimensional CAD interface | |
| US 6996261 B2 | Methods for physiological monitoring, training, exercise and regulation | |
| US 6990228 B1 | Image processing apparatus | 20060124 382/154 |
| US 6983418 B1 | Devices and methods for interfacing human users with electronic devices | |
| US 6980690 B1 | Image processing apparatus | 20051227 382/154 |
| US 6975755 B1 | Image processing method and apparatus | 20051213 382/154 |
| US 6972786 B1 | Multimedia services using central office | 20051206 348/14.11 |
| US 6970591 B1 | Image processing apparatus | 20051129 382/154 |
| US 6966778 B2 | Method and apparatus for tutorial, self and assisted instruction directed to simulated preparative | 20051122 434/247 |
| US 6963724 B2 | Data providing system, method and computer program | 20051108 455/3.03 |
| US 6955541 B2 | Method and apparatus for tutorial, self and assisted instruction directed to simulated preparative | 20051018 434/247 |
| US 6954906 B1 | Image display processing apparatus that automatically changes position of sub-window relativ | |
| US 6950116 B2 | Interactive virtual portal | |
| US 6947046 B2 | Image generation method, program, and information storage medium | 20050920 345/473 |
| US 6945457 B1 | Automated transaction machine | 20050920 235/380 |
| US 6944766 B2 | Information processing apparatus | 20050913 713/182 |
| US 6928384 B2 | Image measurement and display device, image measurement and display system, constructic | |
| US 6924787 B2 | Interface for controlling a graphical image | 20050802 345/156 |
| US 6907546 B1 | Language-driven interface for an automated testing framework | 20050614 714/38 |
| US 6892352 B1 | Computer-based method for conveying interrelated textual narrative and image information | 20050510 715/719 |
| US 6877137 B1 | System, method and computer program product for mediating notes and note sub-notes linker | 20050405 715/512 |
| US 6870532 B2 | Image display | 20050322 345/419 |
| US 6868338 B1 | Method and apparatus for recording and synthesizing position data | 20050315 701/213 |
| US 6824012 B1 | Cata transmission protocol and visual display for a networked computer system | 20050208 709/224 |
| US 684/940 B1 | System and methods for providing a health care industry trade show via internet Image generalism system and program | 20050125 705/26 |
| 00 0041 00 | mage generation system and program | 20020123 343/420 |

| US 6843564 B2 | Three-dimensional image projection employing retro-reflective screens | 20050118 353/7 |
|---------------|---|--------------------|
| US 6842906 B1 | System and method for a refreshable proxy pool in a communication services patterns enviror | 20050111 719/330 |
| US 6839453 B1 | Method and apparatus for authenticating unique items such as sports memorabilia | 20050104 382/119 |
| US 6827579 B2 | Method and apparatus for rehabilitation of neuromotor disorders | 20041207 434/258 |
| US 6823327 B1 | World wide web registration information processing system | 20041123 707/1 |
| US 6820071 B1 | Knowledge management system and method | 20041116 706/50 |
| US 6812924 B2 | Apparatus and method for obtaining shape data of analytic surface approximate expression | 20041102 345/420 |
| US 6803909 B2 | Data processing apparatus, method, system, and storage medium | 20041012 345/419 |
| US 6798407 B1 | System and method for providing a functional virtual environment with real time extracted and | 20040928 345/419 |
| US 6795972 B2 | Subscriber television system user interface with a virtual reality media space | 20040921 725/40 |
| US 6795113 B1 | Method and apparatus for the interactive display of any portion of a spherical image | 20040921 348/207.1 |
| US 6778978 B1 | Determining a workbasket identification for an item in a data store | 20040817 707/3 |
| US 6775405 B1 | Image registration system and method using cross-entropy optimization | 20040810 382/154 |
| US 6774869 B2 | Teleportal face-to-face system | 20040810 345/8 |
| US 6771294 B1 | User interface | 20040803 715/863 |
| US 6767287 B1 | Computer system and method for implementing a virtual reality environment for a multi-player | 20040727 463/42 |
| US 6766037 B1 | Segmenting moving objects and determining their motion | 20040720 382/107 |
| US 6760731 B2 | Genealogy registry system | 20040706 707/101 |
| US 6760026 B2 | Image-based virtual reality player with integrated 3D graphics objects | 20040706 345/427 |
| US 6747610 B1 | Stereoscopic image display apparatus capable of selectively displaying desired stereoscopic i | 20040608 345/6 |
| US 6746332 B1 | Visual display system for multi-user application | 20040608 463/42 |
| US 6745179 B2 | Method and system for facilitating viewer navigation through online information relating to chei | |
| US 6744436 B1 | Virtual reality warehouse management system complement | |
| US 6742015 B1 | Base services patterns in a netcentric environment | 20040525 718/101 |
| US 6735310 B1 | Technique of password encryption and decryption for user authentication in a federated conte | |
| US 6734855 B2 | Image editing system and method, image processing system and method, and recording med | 20040511 345/427 |
| US 6734834 B1 | Closed-loop augmented reality apparatus | 20040511 345/8 |
| US 6722888 B1 | Method and apparatus for tutorial, self and assisted instruction directed to simulated preparati- | 20040420 434/247 |
| US 6718535 B1 | System, method and article of manufacture for an activity framework design in an e-commerca | 20040406 717/101 |
| US 6717593 B1 | Mark-up language implementation of graphical or non-graphical user interfaces | 20040406 715/760 |
| US 6715145 B1 | Processing pipeline in a base services pattern environment | 20040330 718/101 |
| US 6714660 B1 | Image processing device and method, and distribution medium | 20040330 382/103 |
| US 6714213 B1 | System and method for providing interactive haptic collision detection | 20040330 715/701 |
| US 6707581 B1 | Remote information access system which utilizes handheld scanner | 20040316 358/473 |
| US 6704873 B1 | Secure gateway interconnection in an e-commerce based environment | 20040309 726/12 |
| US 6701514 B1 | System, method, and article of manufacture for test maintenance in an automated scripting fre | 20040302 717/115 |
| US 6701321 B1 | Method and apparatus for navigation of relational databases on distributed networks | 20040302 707/102 |
| US 6701281 B2 | Method and apparatus for analyzing building performance | 20040302 702/182 |
| US 6693626 B1 | Haptic feedback using a keyboard device | 20040217 345/168 |
| US 6691309 B1 | Long term archiving of digital information | 20040210 717/175 |
| US 6672961 B1 | Computer system and method of displaying images | 20040106 463/31 |
| US 6661810 B1 | Clock skew estimation and removal | 20031209 370/516 |
| US 6652461 B1 | Ultrasound device for three-dimensional imaging of internal structure of a body part | 20031125 600/443 |
| US RE38287 E | Computer network data distribution and selective retrieval system | 20031028 715/848 |
| US 6640249 B1 | Presentation services patterns in a netcentric environment | 20031028 709/228 |
| US 6640244 B1 | Request batcher in a transaction services patterns environment | 20031028 709/207 |
| US 6640238 B1 | Activity component in a presentation services patterns environment | 20031028 /09/201 |
| US 6636242 BZ | View configurer in a presentation services patterns environment | 20031021 715/764 |

| 20031014 707/100 20030930 345/427 20030930 345/426 20030902 345/426 20030902 2769/219 20030902 2769/209 20030819 709/205 20030819 709/205 20030819 709/205 20030819 709/205 20030819 709/205 20030819 709/205 20030819 709/209 20030610 707/103R 20030610 707/103R 20030610 707/103R 20030610 707/103R 20030627 345/419 20030627 345/419 20030627 345/419 20030627 345/419 20030627 345/419 20030627 345/419 20030610 707/103R 20030610 707/103R 20030610 707/103R 20030610 707/103R 20030610 707/103R 20030610 707/103R 20030611 717/126 20030611 717/126 20030611 717/126 20030611 717/100 20030611 709/203 | 20021203 715/854 20021112 345/440 20021112 600/300 20021105 714/39 20021105 709/231 2002102 709/231 2002102 707/103R 20021015 707/3 20021015 715/850 2002101 341/87 20020910 345/419 20020903 725/34 20020903 725/34 20020903 725/34 |
|---|--|
| Initializing an ecommerce database framework Stateless remote environment navigation Information processing apparatus/method and presentation medium Process for generating a computer image of a three-dimensional object provided with a specif Efficient server side data retrieval for execution of client side applications Abstraction factory in a base services pattern environment Virtual display system and method Assertion component in a communication services patterns Attribute dictionary in a business logic services environment Assertion component in anytionment services patterns Virtual reality keyboard system and method Load balancer in environment services patterns Federated searches of heterogeneous datastores using a federated datastore object Block-based communication in a communication services patterns Federated and system for three-dimensional virtual reality Method and apparatus for searching human three-dimensional posture Piecemeal retrieval in an information services patterns environment Method and apparatus for electronically distributing images from a panoptic camera system Multi-object detch communication services patterns environment Method for translating an object attribute converter in an information services patterns environment Generating servers in a Java based e-commerce architecture System, method and article of manufacture for a polymorphic exception handler in environme System, method and article of manufacture for a pale-divien automated scripting architical environments Clean-up of orphaned server contexts | Non-computer interface to a database and digital library Computer-related method, system, and program product for controlling data visualization in exphysiological feedback method and system System, method, and article of manufacture for environment services patterns in a netcentic explication and strain and article of manufacture for environment services patterns in a netcentic explanatus for and a method of creating and conveying an interactive audiovisual work object-oriented framework for managing access control in a multimedia database Delayed delivery of query results or other data from a federated server to a federated client ur Method and apparatus for editing data used in creating a three-dimensional virtual reality envir Technique for encoding a sequence of periodic byte values with vertical correlation Method and apparatus for displaying computer generated holograms Voice-controlled immersive virtual reality system Set top device for targeted electronic insertion of indicia into video Access control system for a multimedia datastore Virtual reality simulation-based training of telekinegenesis system for training sequential kinerr Portable game display and method for controlling same |
| 6633878 6628282 6628282 66186954 66185253 6611253 6611253 66011234 66011334 66011334 66011334 66011334 66011334 66011334 66011334 66011334 66011334 66011334 66011334 66011334 660113334 66513334 66523021 66523021 | US 6489979 B1 US 6480194 B1 US 6478735 B1 US 647665 B1 US 647680 B1 US 647633 B1 US 646033 B1 US 646933 B1 US 646963 B2 US 648965 B1 US 6448965 B1 US 6446069 B1 US 6446069 B1 US 6445964 B1 US 6445964 B1 |

| | | 20001219 600/592 nal virl 20001128 345/419 20001003 345/8 20000905 345/418 |
|--|--|--|
| System, method and article of manufacture for a persistent state and persistent object separa Delivering service to a client via a locally addressable interface Virtual space communication system, three-dimensional image display method, and apparatus. Three-dimensional virtual reality space display processing apparatus, a three-dimensional virtual reality space display processing apparatus, a three-dimensional virtual reality space display processing apparatus, a three-dimensional virtual reality parterns in a netcentric environment Multiple viewer headset display apparatus and method with second person icon display Architecture and methods for generating and displaying three dimensional representations | Nuclear reactor core performance data visualization system Video superposition system and method Method and a device for use in a virtual environment Computer animation generator Computer animation generator Portable display and methods of controlling same Video superposition system and method Three-dimensional virtual reality space display processing apparatus, a three-dimensional virtual display system and method Three-dimensional virtual reality space display processing apparatus, a three-dimensional virtual display system and method Three-dimensional virtual reality space display processing apparatus, and sparatus for a stereoscopic graphic user interface Method and apparatus for selecting, modifying and superimposing one image on another Exception response table in environment services patterns Method for providing communication services over a computer network system Acoustic perspective in a virtual three-dimensional environment Dynamic visual registration of a 3-D object with a graphical model Graphical cick surfaces for force feedback applications to provide selection of functions using Picture display method and apparatus, information processing method and article of manufacture for a globally addressable interface in a communic System, method and article of manufacture for a globally addressable interface in a communic System, and methods for interactive virtual reality process control and simulation providing a federated searching of heterogeneous datastores using a federated datastore object Interactive exercise system and attachment module for same System and method for integrating a message into streamed content Global history view Media selecting device Federated searching of heterogeneous datastores using a federated query object Rapid terrain model generation with 3-D object features and user customization interface Method and apparatus for electronically distributing images from a panoptic camera system Method or diagnosis and treatment of psychological and emotional contents of portable data | Ankle rehabilitation system Three-dimensional processing apparatus, a three dimensional viruse-dimensional, viruse dimensional viruse-dimensional, viruse dimensional viruse and methods for controlling same Information processing system and a network type information processing system |
| US 6442748 B1 US 6438594 B1 US 6437777 B1 US 6434628 B1 US 643468 B1 US 6417969 B1 US 6414679 B1 US 6409599 B1 | 6404437 6404437 6404437 6404437 6396952 6396952 6346956 634485 633485 633048 633048 623342 6289299 6272488 6289299 6273986 6289382 628 | US 6162189 A US 6154211 A US 6127990 A US 6115045 A |

| Information retrieval apparatus Method and apparatus for generating and interfacing with a haptic virtual reality environment Virtual computer monitor Devices and methods for interfacing human users with electronic devices |
|--|
| Virtual computer monitor Devices and methods for interfacing human users with electronic devices Methods and systems for multimedia communication via public telephone networks Graphical click surfaces for force feedback applications to provide user selection using cursor Endoscope form detecting apparatus in which coil is fixedly mounted by insulating member so |
| Endoscope form detecting apparatus in which coil is fixedly mounted by insulating member so 3D virtual environment creation management and delivery system 3D virtual reality multi-user interaction with superimposed positional information display for ea |
| lconic subscription schedule controller for a graphic user interface Automatic report generating system |
| Automated league and tournament device Method and apparatus for electronically distributing images from a panoptic camera system |
| Method and apparatus for navigation of relational databases on distributed networks Three-dimensional virtual reality space sharing method and system using local and global obis |
| Method and apparatus for visual navigation of information objects |
| System for generating graphics in response to a database search |
| oysten for implementing muniple simuraneous inteemigs in a virtual reality mixed media meer Fly-through computer aided design method and apparatus |
| Method and apparatus for the interactive display of any portion of a spherical image |
| Method for providing human input to a computer |
| Personal design system and personal equipment production system for actually producing eq. Computer animation generator |
| Three-dimensional virtual reality space sharing method and system, an information recording |
| Virtual space communication system, three-dimensional image display method, and apparatu: |
| rinee-cumensional virtual reality space display processing apparatus, a three-cimensional virt. Facilitating viewer interaction with three-climensional objects and two-climensional images in v |
| Information processing apparatus and information processing method |
| Method and apparatus for tutorial, self and assisted instruction directed to simulated preparation desirates of a paramic succession and assisted instruction of a paramic succession and activities and activities a |
| reguiaung locus in accordance with relationship of reatures of a person's eyes. Endoscope form detecting apparatus in which coil is fixedly mounted by insulating member so |
| Cyberspace system for accessing virtual reality objects |
| Device and method for displaying a guide picture in virtual reality |
| Violus vide veet registration information processing system Virtual reality generator for use with financial information |
| Prionity selection on a graphical interface |
| Methods and systems for multimedia communications via public telephone networks |
| Virtual reality imaging system with image replay |
| System for generating a virtual reality scene in response to a database search |
| System for allowing a person to experience systems of mythology |
| Mutti-dimensional transformation systems and display communication architecture for musical |
| Computer network data distribution and selective retrieval system |
| Panoramic image based virtual reality/telepresence audio-visual system and method |
| Virtual reality imaging system Virtual reality imaging system |
| Instructional management system |
| COMMODITY SALES SYSTEM BY VIRTUAL DEPARTMENT STORE USING VIRTUAL REA |

| 20020412 20011019 2000025 20000218 19970328 20040114 | 20051124 20051124 20050325 20040603 20040603 20040401 200404114 20031211 | 20031203 20031003 20031002 20031002 20030905 20030821 20030422 | 20030225 20020822 20020507 20020415 20020412 20020301 20020228 20020228 | 20020103 20020103 20010109 20010831 20010510 20010510 20010111 20000502 19980821 19980116 19980116 |
|---|---|--|--|--|
| METHOD FOR ORDERING ARTICLE, DEVICE FOR MANAGING ARTICLE ORDER RECEP ELECTRONIC COMMERCIAL TRANSACTION METHOD USING CAD VIRTUAL REALITY S'SYSTEM FOR CREATING, EDITING AND DISTRIBUTING THREE- DIMENSIONAL VIRTUA DEVICE AND METHOD FOR INFORMATION PROCESSING AND PROVIDED MEDIUM METHOD AND SYSTEM FOR THREE-DIMENSIONAL VIRTUAL REALITY SPACE, MEDIUM System for gaining access to information relating to industrial sites with a substantial complexing three-dimensional virtual reality space sharing method and system. | , _, _, | | _, | System for acquining information from printed actions by committed to a communicate via Internet, as through Electronic commercial transaction processing method for building designing, involves providin Multi user interactive image navigation system for virtual reality in internet, has server to form Three-dimensional image input apparatus and method for transmitting data. Three-dimensional image input apparatus and method for transmitting data. Method for arranging products on electronic shopping mall web site according to 3d virtual real Computer program product for virtual reality applications, has virtual reality modeling code while Method of displaying information stored in logical space in a computer by creating a virtual real Data processor in virtual reality application, identifies number of inputs of each cascaded node Real time three dimensional virtual reality creating system in Internet, accesses and transfers Virtual reality object formation and display apparatus for use in CG image production - has VR Virtual reality based computer images display - provides observer position and orientation dep Computer network data distribution and retrieval system for creation virtual reality world - uses Integrated service system using e.g. virtual reality technology - has data management circuit v |
| JP 2002109301 A JP 2001290977 A JP 2000057373 A JP 2000048224 A JP 09081781 A EP 1380911 A1 | JP 2005326610 A FR 2860089 A JP 2004289598 A US 20040104941 A US 20040086174 A KR 2004026804 A EP 1380911 A US 20030229560 A | US 2003C96397 A US 2003C96397 A US 2003O18574 A US 2003O185447 A US 2003C48650 A US 2003O156135 A US 655346 B KR 2003O19669 A | US 6525732 B US 20020113791 A KR 2002033693 A KR 2002027889 A KR 2002026791 A TW 477941 A KR 200201536 A JP 2002064799 A KR 2002015310 A | WO 200201379 A JP 2001290977 A WO 200165854 A KR 2001082993 A KR 2001079194 A WO 200133507 A EP 1089223 A WO 200102998 A US 6058397 A JP 10222700 A JP 10222700 A US 655721 A |